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d 'H-chymidine ood cells undergoing mitogen

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minmirred) that the processe inhibitors (DFP), phenylmethylsulfonylfluoride. navalin A (Con A) response of murine ilts have been observed in the human man peripheral blood cells (PBL) were ing Con A stimulation. Cell culturing erum using cell concentrations of 2 -62.5 me/ml. The cultures were treated and then harvested. DFP was added in minure. We could demonstrate that the to an inhibition of the 3H-thymidine i. Usually two peaks of enhancement - 0.75 mM, and another one with a (50 - 200 %) was observed when the mal with respect to the 'Fi-thymidine natants of DFP-treated Con A cultures may also enhance the 'H-thymidine - From these data it can be concluded chanism during mitogen stimulation of ir further studies.

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ir Physiologische Chemie der Philipps-

pid receptor of rat liver

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tight binding to specific proteins called migration into the audieus and changes as becomes operative by inducing RNA mass of appropriate target cells. In order to analyze structural and functional features of such escapoor molecules mounchouls ambieded (mAs) for glucocorticoid exceptor or fat liver were generated. Spleen cells from Bailso mice immunized with partially aurified native receptor from rax liver cytopal were insulated with the mounte myelsom cell line. 863 Ags 485. To use 162 hybrids obtained 76 secreted immunoglobulin. Hybridoms supernatants were secreted by immunoprecipitation of the [741] engold-ecopyon complex stain; public attrimutes [86] coupled to schemics 48. 8 positive comproduced in actria. The immension of these mAlb with the total and subsequently mAsbier produced in actria. The immension of these mAlb with the control of the

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115. Monoclonal antibodies against the fifth component of human complement

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Although the biological effects of C3 are well understood, the molecular basis for these effects is still controversial. Due so their inherent high specificity for one spinoe on the undigate molecule, monoclosal antibodies are ideal tools to investigate biological huncitons. The somatic cell fusion reclamique was used so obtain monospecific antibodies directed against C3 of human complement.

Insert human C3 was isolated from fresh plasma by the method of KUNKEL et al. (1980) as modified by DESAUER and ROTHER (1982). The C3 preparation provided high purity as determined by rocket and crossed immunoelectrophoresis and was highly active in bemolysis. DBA12 mice were immunized intersperitoneally with 100 Mg of purified C3 in compiler.

Freud's adjivent, followed is welts fater with 50 gg CS in incomplem Freud's digitum. Three days prior to ord fluxion 10 gg GC swi injected interveneutly, for call fluxion 5 xt (97 Table 5), gg myeloms cells and 10° spien cells of the immunized mouse were exposed to 50 % polyselytime glycol 4000 for 2 minuses 23 xt ⁷⁰C. Hydrik were selected in FALT-medium. Anthody-secreting hydrid cells were detected by a 2016-phase radioimmunoussay with the assign immobilized on polysisyloidoride platts. 70 schiere monoclonality the limiting ditation technique was employed, for mass production of antibodies the hydrid cells were injected into prisarse primed CDEPL/FAIR (Ballic's X DAZ) FF mins.

Culture supernatants from 30 hybridoma cells were found to contain anti C5 antibodies. 10 hybridoma antibodies were tested for inhibition of C5a affects using a servoonin release assay with guinea pig placelets as target cells. Two of these autibodies demonstrated significant inhibition.

This result showed high specificity of monoclonal ani C3 antibodies for one antigenic determinant only. Therefore is will be possible to study functional properties of C3 by well-defined monospecific antibodies.